

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L4	796	363/24	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2007/01/30 16:14
L5	599	4 and ((converter or inverter) and (transformer or flyback))	US-PGPUB; USPAT	AND	ON	2007/01/30 16:14
L6	142	5 and (short\$3 with (transformer or primary or secondary))	US-PGPUB; USPAT;	AND	ON	2007/01/30 16:15
L7	88	5 and (short\$3 with (transformer or primary or secondary) and bridge)	USOCR; EPO; JPO; DERWENT; IBM_TDB US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/01/30 16:15
L8	93	363/016 and ((converter or inverter) and (transformer or flyback))	US-PGPUB; USPAT	AND	ON	2007/01/30 16:15
L9	899	363/15	US-PGPUB; USPAT	AND	ON	2007/01/30 16:15
L10	538	L9 and ((converter or inverter) and (transformer or flyback))	US-PGPUB; USPAT	AND	ON	2007/01/30 16:15
L11	119	L10 and (short\$3 with (transformer or primary or secondary))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/01/30 16:15
L12	2441	363/17	US-PGPUB; USPAT; USOCR	AND	ON	2007/01/30 16:15
L13	1679	L12 and ((converter or inverter) and (transformer or flyback))	US-PGPUB; USPAT	AND	ON	2007/01/30 16:22
L14	332	L13 and (short\$3 with (transformer or primary or secondary))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/01/30 16:22

## EAST Search History

L15	291	L14 NOT (L11 or L8)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/01/30 16:15
L16	228	L15 and (bridge)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/01/30 16:15
L17	61	7 NOT L16	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/01/30 16:21
L18	956	363/25	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/01/30 16:22
L19	729	18 and ((converter or inverter) and (transformer or flyback))	US-PGPUB; USPAT	AND	ON	2007/01/30 17:05
L20	102	19 and (short\$3 with (transformer or primary or secondary) and bridge)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/01/30 17:05
L21	60	20 NOT 17	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/01/30 16:37
L28	2404	363/131	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/01/30 17:05
L29	1573	28 and ((converter or inverter) and (transformer or flyback))	US-PGPUB; USPAT	AND	ON	2007/01/30 17:35

## EAST Search History

L30	195	29 and (short\$3 with (transformer or primary or secondary) and bridge)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/01/30 17:35
L31	180	30 NOT 21	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/01/30 17:30
L33	2902	363/132	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/01/30 17:35
L34	1677	33 and ((converter or inverter) and (transformer or flyback))	US-PGPUB; USPAT	AND	ON	2007/01/30 17:52
L35	230	34 and (short\$3 with (transformer or primary or secondary) and bridge)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/01/30 17:52
L36	146	35 NOT 31	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/01/30 17:52
L37	586	363/133	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/01/30 17:52
L38	461	37 and ((converter or inverter) and (transformer or flyback))	US-PGPUB; USPAT	AND	ON	2007/01/30 17:57
L39	57	38 and (short\$3 with (transformer or primary or secondary) and bridge)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/01/30 17:57

## EAST Search History

L40	38	39 NOT 36	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/01/30 17:56
L41	653	363/134	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/01/30 17:57
L42	484	41 and ((converter or inverter) and (transformer or flyback))	US-PGPUB; USPAT	AND	ON	2007/01/30 17:57
L43	54	42 and (short\$3 with (transformer or primary or secondary) and bridge)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/01/30 17:57
L44	35	43 NOT 40	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/01/30 18:02
L45	25	(US-20050078491-\$ or US-20040246748-\$ or US-20050174809-\$ or US-20050174810-\$ or US-20050254266-\$ or US-20050190581-\$ or US-20040100805-\$).did. or (US-6954366-\$ or US-6930893-\$ or US-6696772-\$ or US-5331533-\$ or US-RE36098-\$ or US-6462962-\$ or US-6822882-\$ or US-6330169-\$ or US-5498995-\$ or US-6650556-\$ or US-7023709-\$ or US-6252781-\$ or US-6278621-\$ or US-5636107-\$ or US-6882548-\$).did. or (US-20050174810-\$ or WO-2005077097-\$ or US-20050174809-\$).did.	US-PGPUB; USPAT; DERWENT	AND	ON	2007/01/30 18:02
L46	2	"6757184".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/01/30 18:27

## EAST Search History

L47	6	("4873618"   "5768112").PN. OR ("6757184").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2007/01/30 18:27
L48	4	("4873618"   "5768112"   "6504739"   "6757184").PN. OR ("6859372").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2007/01/30 18:31
L49	0	(power converter transformer primary winding secondary winding plurality switches coupled primary and secondary winding plurality switches responsive least one control signal short both primary and secondary winding during first reset time interval plurality switches includes first pair switches coupled series one end secondary winding second pair switches coupled series opposite end secondary winding configured controller first second control signal first second pairs switches first control signal simultaneously controls first pair switches second control signal simultaneously controls second pair switches entire cycle power converter).CLM.	US-PGPUB	AND	ON	2007/01/30 18:45
L50	0	(power converter transformer primary winding secondary winding plurality switches coupled responsive least one control signal short both primary and secondary winding during first reset time interval first pair switches coupled series one end secondary winding second pair switches coupled series opposite end secondary winding controller first second control signal first second first control signal simultaneously controls second control signal simultaneously controls entire cycle).CLM.	US-PGPUB	AND	ON	2007/01/30 18:46
L51	0	(converter transformer primary winding secondary winding switches coupled responsive control signal short both primary and secondary winding during first reset time interval first pair switches coupled series one end secondary winding second pair switches coupled series secondary winding controller first second first control signal simultaneously controls entire cycle).CLM.	US-PGPUB	AND	ON	2007/01/30 18:48

## EAST Search History

L52	0	(converter transformer primary winding secondary winding short both primary and secondary winding during first reset time interval first pair switches secondary winding controller first second first control signal simultaneously controls entire cycle).CLM.	US-PGPUB	AND	ON	2007/01/30 18:49
S2	68	363/016	US-PGPUB; USPAT	AND	ON	2005/12/14 09:37
S3	38	363/016 and (converter and short\$3 (primary and secondary)adj winding or coil)	US-PGPUB; USPAT	AND	ON	2007/01/30 11:25
S4	1860	"363" and(converter and short\$3 (primary and secondary)adj winding or coil) and reduc\$4 transformer core	US-PGPUB; USPAT	AND	ON	2005/12/12 11:43
S5	1764	S4 and @py<="2004"	US-PGPUB; USPAT	AND	ON	2005/12/12 14:12
S6	65	S5 and plurality adj3 switches	US-PGPUB; USPAT	AND	ON	2007/01/24 18:42
S10	8	("5327333"   "5636107"   "5781420"   "5986899"   "6141224"   "6278621"   "RE36098"   "RE36571").PN. OR ("6822882"). URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2007/01/24 18:46
S11	40	("1672215"   "3490027"   "3538353"   "3621363"   "3963973"   "4063306"   "4168477"   "4178628"   "4186434"   "4300191"   "4347474"   "4357654"   "4415959"   "4513360"   "4607323"   "4809148"   "4857822"   "4928200"   "4931716"   "4959764"   "5111372"   "5126931"   "5282123"   "5291382"   "5303138"   "5331533").PN. OR ("RE36098"). URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2007/01/24 18:46
S12	15	S5 and crowbar switch	US-PGPUB; USPAT	AND	ON	2007/01/24 18:47
S13	146	"363" AND (full adj bridge and (plurality switches) and transformer control signal converter rectifier short primary secondary (winding or coil))	US-PGPUB; USPAT	AND	ON	2005/12/12 14:55

## EAST Search History

S14	41	("3596165"   "4128868"   "4443840"   "4533986"   "4648017"   "4661897"   "4841220"   "4853832"   "4855888"   "4860184"   "4931716"   "4953068"   "5113334"   "5179512"   "5235501"   "5274539"   "5327337"   "5331533"   "5434770"   "5442540"   "5448467"   "5450305"   "5491388"   "5500791"   "5514921"   "5576940"   "5594635"   "5615093"   "5805432"   "5946200"   "5991171"   "5999417"   "6069811"   "6147881"   "6147886"   "6222742"   "6310792"   "6330169"   "6381150"   "6583999"   "6650556").PN. OR ("6930893"). URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2007/01/24 18:48
S15	1	S14 and (full adj bridge and (plurality switches) and transformer control signal converter rectifier short primary secondary (winding or coil))	US-PGPUB; USPAT; USOCR	AND	ON	2005/12/12 15:56
S16	1	"20050174809"	US-PGPUB; USPAT	AND	ON	2006/06/26 19:30
S17	0	full adj bridge transformer primary secondary (winding or coil) synchronous adj rectifier control	US-PGPUB; USPAT	AND	ON	2005/12/13 12:57
S18	252	full adj bridge transformer primary secondary (winding or coil) synchronous adj rectifier control	US-PGPUB; USPAT	AND	ON	2005/12/13 12:58
S19	163	full adj bridge transformer primary short secondary (winding or coil) synchronous adj rectifier control	US-PGPUB; USPAT	AND	ON	2005/12/13 12:58
S20	0	("2005/0174810").URPN.	USPAT	AND	ON	2005/12/13 14:19
S21	0	("2004/0246748").URPN.	USPAT	AND	ON	2005/12/13 16:00
S22	68	363/016	US-PGPUB; USPAT	AND	ON	2005/12/14 10:15
S23	0	S22 and (dc-dc adj transformer)	US-PGPUB; USPAT	AND	ON	2005/12/14 09:38
S24	274	"363" and ((dc-dc adj transformer) or autotransformer)	US-PGPUB; USPAT	AND	ON	2005/12/14 09:39
S25	265	S24 and @py<="2004"	US-PGPUB; USPAT	AND	ON	2005/12/14 09:40
S26	265	S24 and @py<="2004"	USPAT	AND	ON	2005/12/14 09:40
S27	98	S26 and (short primary secondary (windings or coil))	USPAT	AND	ON	2005/12/14 10:12

## EAST Search History

S28	0	transformer and short\$3 adj primary same secondary adj (winding or coil) and ground and core adj reset	USPAT	AND	ON	2005/12/14 10:13
S29	23	transformer and short\$3 adj primary same secondary adj (winding or coil) and ground	USPAT	AND	ON	2007/01/24 18:49
S30	1587999	h	US-PGPUB; USPAT	AND	ON	2005/12/19 16:48
S31	108	vinciarelli.in.	US-PGPUB; USPAT	AND	ON	2005/12/19 16:49
S32	80	S31 and @py<="2003"	US-PGPUB; USPAT	AND	ON	2005/12/19 16:50
S33	15	S32 and dc-dc converter and transformer primary secondary	US-PGPUB; USPAT	AND	ON	2005/12/20 09:48
S34	0	"10507283"	US-PGPUB; USPAT	AND	ON	2005/12/20 09:50
S35	1	"10507283"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2005/12/20 13:08
S36	1	"10507283"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2005/12/20 14:35
S37	0	"10733423"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2005/12/20 14:35
S38	251	(368/21).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/25 13:23
S39	19	363/121	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/04/25 13:24
S40	1	"20040100805"	US-PGPUB; USPAT	AND	ON	2006/06/26 19:30
S49	2	"US 20050174809"	US-PGPUB; USPAT; USOCR; DERWENT	AND	ON	2007/01/23 12:43



## EAST Search History

S50	2	"20040100805"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/01/24 13:10
S54	54	363/016 and (converter and short\$3 (primary and secondary)adj winding or coil)	US-PGPUB; USPAT	AND	ON	2007/01/24 18:27
S55	2014	"363" and(converter and short\$3 (primary and secondary)adj winding or coil) and reduc\$4 transformer core	US-PGPUB; USPAT	AND	ON	2007/01/24 18:42
S56	1764	S55 and @py<="2004"	US-PGPUB; USPAT	AND	ON	2007/01/24 18:42
S57	65	S56 and plurality adj3 switches	US-PGPUB; USPAT	AND	ON	2007/01/24 18:43
S58	8	("5327333"   "5636107"   "5781420"   "5986899"   "6141224"   "6278621"   "RE36098"   "RE36571").PN. OR ("6822882"). URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2007/01/24 18:46
S59	43	("1672215"   "3490027"   "3538353"   "3621363"   "3963973"   "4063306"   "4168477"   "4178628"   "4186434"   "4300191"   "4347474"   "4357654"   "4415959"   "4513360"   "4607323"   "4809148"   "4857822"   "4928200"   "4931716"   "4959764"   "5111372"   "5126931"   "5282123"   "5291382"   "5303138"   "5331533").PN. OR ("RE36098"). URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2007/01/24 18:46
S60	15	S56 and crowbar switch	US-PGPUB; USPAT	AND	ON	2007/01/24 18:48

## EAST Search History

S61	43	("3596165"   "4128868"   "4443840"   "4533986"   "4648017"   "4661897"   "4841220"   "4853832"   "4855888"   "4860184"   "4931716"   "4953068"   "5113334"   "5179512"   "5235501"   "5274539"   "5327337"   "5331533"   "5434770"   "5442540"   "5448467"   "5450305"   "5491388"   "5500791"   "5514921"   "5576940"   "5594635"   "5615093"   "5805432"   "5946200"   "5991171"   "5999417"   "6069811"   "6147881"   "6147886"   "6222742"   "6310792"   "6330169"   "6381150"   "6583999"   "6650556").PN. OR ("6930893"). URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2007/01/24 18:48
S62	27	transformer and short\$3 adj primary same secondary adj (winding or coil) and ground	USPAT	AND	ON	2007/01/24 18:49
S67	193	(O2Micro.as.) or (02Micro).as.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/01/24 18:55
S69	23	S67 and (Lipcsei)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/01/24 19:00
S71	5	S67 and (Popovici)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/01/24 19:01
S73	76	S67 and (converter same control\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/01/24 19:01
S74	2	"5421455".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/01/29 15:05

## EAST Search History

S92	93	363/016 and ((converter or inverter) and (transformer or flyback))	US-PGPUB; USPAT	AND	ON	2007/01/30 12:21
S93	899	363/15	US-PGPUB; USPAT	AND	ON	2007/01/30 12:02
S95	538	S93 and ((converter or inverter) and (transformer or flyback))	US-PGPUB; USPAT	AND	ON	2007/01/30 12:03
S99	119	S95 and (short\$3 with (transformer or primary or secondary))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/01/30 12:21
S10 0	8	("3846691"   "4065713").PN. OR ("4264949").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2007/01/30 12:20
S10 1	2441	363/17	US-PGPUB; USPAT; USOCR	AND	ON	2007/01/30 12:20
S10 2	1679	S101 and ((converter or inverter) and (transformer or flyback))	US-PGPUB; USPAT	AND	ON	2007/01/30 16:14
S10 3	332	S102 and (short\$3 with (transformer or primary or secondary))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/01/30 16:14
S10 4	291	S103 NOT (S99 or S92)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/01/30 12:21
S10 5	228	S104 and (bridge)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/01/30 14:34